

Title (en)

CELL SELECTING APPARATUS AND CELL SELECTING METHOD

Title (de)

ZELLENAUSWAHLVORRICHTUNG UND ZELLENAUSWAHLVERFAHREN

Title (fr)

APPAREIL DE SÉLECTION DE CELLULE ET MÉTHODE DE SÉLECTION DE CELLULE

Publication

**EP 1811793 A1 20070725 (EN)**

Application

**EP 04799580 A 20041110**

Priority

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Abstract (en)

A cell selection apparatus can determine to which communication system radio access is to be made by a mobile terminal in the environment in which multiple communication systems coexists and at least one of the communication systems uses guard intervals inserted in the transmission signal. The cell selection apparatus includes delay profile creation means (722) for creating a delay profile from a received radio signal and detecting amplitudes and timing of multipath arriving waves; comparison means (728) for comparing at least one delay quantity of the multipath arriving waves with a guard interval of a signal used in at least one of said multiple communication systems; and determination means (730) for determining a cell provided by one of the communication systems to which a mobile terminal is to be connected based on the comparison result.

IPC 8 full level

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